



SCIENCE @ DIRECT

Register or Login:

user name

Password:

Go

[Athens/Institution Log](#)[Home](#)[Search](#)[Journals](#)[Books](#)[Abstract Databases](#)[My Profile](#)[Alerts](#)[Help](#)

Quick Search:

within [This Volume/Issue](#)[Search Tips](#)[results list](#)[previous](#)

9 of 28

[next](#)**Tetrahedron**

Volume 42, Issue 16, 1986, Pages 4451-4460

doi:10.1016/S0040-4020(01)87285-9

[Cite or Link Using DOI](#)

Copyright © 1986 Published by Elsevier Science Ltd. All rights reserved.

Chemical studies of 10-deacetyl baccatin III

Hemisynthesis of taxol derivatives

F. Guéritte-Voegelein, V. Sénilh, B. David, D. Guénard and P. Potier

Institut de Chimie des Substances Naturelles, CNRS, 91190 Gif-sur-Yvette France

Received 6 June 1986. Available online 1 May 2001.

Abstract

The chemical reactivities of 10-deacetyl baccatin III and of baccatin III, two natural products extracted from *Taxus baccata* L., were studied with the aim of synthesizing taxol analogues having a modified side-chain at C-13, thereby restoring good binding to tubulin.

Tetrahedron

Volume 42, Issue 16, 1986, Pages 4451-4460

This Document[Abstract](#)**External Links**[Abstract + References in Scopus](#)**Actions**

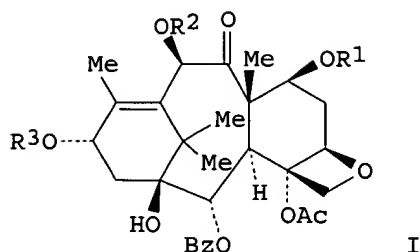
- [Cited By](#)
- [Save as Citation Alert](#)
- [E-mail Article](#)
- [Export Citation](#)

This Document[Abstract](#)**External Links**[Abstract + References in Scopus](#)**Actions**

- [Cited By](#)
- [Save as Citation Alert](#)
- [E-mail Article](#)
- [Export Citation](#)

9/8/05

L14 ANSWER 95 OF 95 CAPLUS COPYRIGHT 2005 ACS on STN
GI



AB The chemical reactivities of 10-deacetyl baccatin III (I; R1 = R3 = H, R2 = Ac) and of baccatin III (I; R1 = R2 = R3 = H) (II), two natural products extracted from *Taxus baccata*, were studied with the aim of synthesizing taxol analogs having a modified side-chain at C-13, thereby restoring good binding to tubulin. Thus, acetylation of II with Ac2O-pyridine 24 h at 20° gave 48 and 48% I (R1 = Ac, R2 = R3 = H; R1 = R2 = Ac, R3 = H), resp.; at 60° and 48h 49 and 49% I (R1 = R2 = Ac, R3 = H; R1 = R2 = R3 = Ac) was obtained; at 80° and 24 h 95% I (R1 = R2 = R3 = Ac) was obtained. Protected and deprotected derivs. were examined and 2 taxol derivs. were prepared

AN 1987:534518 CAPLUS

DN 107:134518

TI Chemical studies of 10-deacetyl baccatin III. Hemisynthesis of taxol derivatives

AU Gueritte-Voegelein, F.; Senilh, V.; David, B.; Guenard, D.; Potier, P.

CS Inst. Chim. Subst. Nat., CNRS, Gif-sur-Yvette, 91190, Fr.

SO Tetrahedron (1986), 42(16), 4451-60

CODEN: TETRAB; ISSN: 0040-4020

DT Journal

LA English

OS CASREACT 107:134518